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By
Brendy L. Belony

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor :Yuta NAKAYA, et al.

Filed :January 9, 2004

For :COMMUNICATIONS APPARATUS USING...

Serial Number :10/754,815

August 22, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

SIR:

In order to comply with discretionary regulations 37 CFR §§ 1.97 and 1.98, attached hereto is a copy of Form PTO-1449 and copies of the non-US documents (if any) listed thereon. These documents contain information which the Examiner may consider to be important in deciding whether to issue a patent in the instant application.

Also attached is an European Search Report dated June 30, 2005, from the corresponding European Patent Application.

The present Information Disclosure Statement is being submitted in compliance with 37 § CFR 1.56 as an Examiner might consider any cited document important in deciding whether to allow the application to issue as a patent, but the citation of each document is not to be construed as an admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated

that the Examiner in the normal course of examination, will make an independent search and will determine the best prior art consistent with 37 CFR 1.104 (a), and in the course of such search will review for relevance every document cited on the attached form even if not initialed.

Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application, not more than three months prior to the filing of the information disclosure statement.

As this statement is being filed prior to issuance of a first Office Action, no fee is due. However, any fee determined to be due with this statement may be charged to Deposit Account 50-1290.

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Early and favorable consideration is respectfully solicited.

Respectfully submitted,



Brian S. Myers
Reg. No. 46,947

Customer Number: 026304
Docket No.: FUJO 20.845

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Application No. : 10/754,815

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet 1 of 1



Filing Date : January 9, 2004
 First Named Inventor: Y. NAKAYA
 Group Art Unit :
 Examiner Name :
 Attorney Docket No. : FUJO 20.845

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document	Kind Code ² if known ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD- YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear
		6,492,942		KEZYS	12-10-2002	

FOREIGN DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document Office ³ Number ⁴ Kind Code ⁵ (if known)	Country	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear

Other Prior Art-Non Patent Literature Documents

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, country, where published, source.	Applicant check here if English language translation attached
		European Search Report dated June 30, 2005	
		STEPHANIE L. PRESTON, et al. Base-Station Tracking in Mobile Communications Using a Switched Parasitic Antenna Array. IEEE Transactions on Antenna and Propagation, vol. 46, no. 6, June 1998, pages 841-844	
		JONG WON PARK, et al. Multiuser Detection Scheme Using Adaptive Antenna Array over Rayleigh Fading Channels. IEEE Vehicular Technology Conference, May 15, 2000, vol. 3 of 3, conf. 51, pages 2157-2161	
		HAK-LIM KO, et al. A Switched Beamforming System with Multiuser Detectors. IEEE Vehicular Technology Conference, May 15, 2000, vol. 2 of 3, conf. 51, pages 705-709	
		STEPHANIE PRESTON, et al. Direction Finding using a switched parasitic antenna array. Antennas and Propagation Society International Symposium, July 13, 1997, vol. 2, pages 1024-1027	
		TAO LUO, et al. Using Signal Cancellation for Optimum Beamforming in a Cellular CDMA System. Acoustics, Speech and Signal Processing, May 12, 1998, vol. 4, pages 2493-2496.	
Examiner Signature		Date Considered	

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³ Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1⁶ if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.